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#### 1 [Harvesting translingual vocabulary mappings for multilingual digital libraries](#)


[Ray R. Larson](#), [Fredric Gev](#), [Aitao Chen](#)

July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

 Full text available: [Pdf](#) (210.48 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 51, Citation Count: 2

This paper presents a method of information harvesting and consolidation to support the multilingual information requirements for cross-language information retrieval within digital library systems. We describe a way to create both customized bilingual ...

**Keywords:** controlled vocabularies, cross-lingual information retrieval, entry vocabulary indexes



#### 2 [Cross-language information retrieval using PARAFAC2](#)

[Peter A. Chew](#), [Brett W. Bader](#), [Tamara G. Kolda](#), [Ahmed Abdelali](#)

August 2007 KDD '07: Proceedings of the 13th ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

 Full text available: [Mov](#) (17:52 MIN), [Pdf](#) (1.24 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 193, Citation Count: 1

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A standard approach to cross-language information retrieval (CLIR) uses Latent Semantic Analysis (LSA) in conjunction with a multilingual parallel aligned corpus. This approach has been shown to be successful in identifying similar documents across languages ...

**Keywords:** PARAFAC2, clustering, information retrieval, latent semantic analysis (LSA), multilingual

**3** Comparative study of monolingual and multilingual search models for use with asian languages



Jacques Savoy

June Transactions on Asian Language Information Processing (TALIP) ,  
2005 Volume 4 Issue 2

**Publisher:** ACM

Full text available: [Pdf](#) (292.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 129, Citation Count: 2

Based on the NTCIR-4 test-collection, our first objective is to present an overview of the retrieval effectiveness of nine vector-space and two probabilistic models that perform monolingual searches in the Chinese, Japanese, Korean, and English languages. ...

**Keywords:** Chinese language, Japanese language, Korean language, Multilingual information retrieval, cross-language information retrieval, natural language processing with Asian languages, results-merging, search engines with Asian languages

**4** Web page language identification based on URLs

Eda Baykan, Monika Henzinger, Ingmar Weber

August Proceedings of the VLDB Endowment , Volume 1 Issue 1  
2008

**Publisher:** VLDB Endowment

Full text available: [Pdf](#) (554.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 26, Citation Count: 0

Given *only* the URL of a web page, can we identify its language? This is the question that we examine in this paper. Such a language classifier is, for example, useful for crawlers of web search engines, which frequently try to satisfy certain ...

5 [Cross-language information retrieval based on parallel texts and automatic mining of parallel texts from the Web](#)



Jian-Yun Nie, Michel Simard, Pierre Isabelle, Richard Durand

August SIGIR '99: Proceedings of the 22nd annual international ACM SIGIR 1999 conference on Research and development in information retrieval

**Publisher:** ACM

Full text available: Pdf (85.71 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 108, Citation Count: 49

Keywords: cross-language information retrieval, probabilistic translation model, text mining

6 [A Mathematical Model of Historical Semantics and the Grouping of Word Meanings into Concepts](#)

Martin C. Cooper

June Computational Linguistics , Volume 31 Issue 2  
2005

**Publisher:** MIT Press

Full text available: Pdf (340.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 62, Citation Count: 1

A statistical analysis of polysemy in sixteen English and French dictionaries has revealed that, in each dictionary, the number of senses per word has a near-exponential distribution. A probabilistic model of historical semantics is presented which explains ...

7 [An algorithm for anaphora resolution in Spanish texts](#)

Manuel Palomar, Lidia Moreno, Jesús Peral, Rafael Muñoz, Antonio Ferrández, Patricio Martínez-Barco, Maximiliano Saiz-Noeda

December Computational Linguistics , Volume 27 Issue 4  
2001

**Publisher:** MIT Press

Full text available: Publisher Site , Pdf (251.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 40, Citation Count: 3

This paper presents an algorithm for identifying noun phrase antecedents of third person personal pronouns, demonstrative pronouns, reflexive pronouns, and omitted pronouns (zero pronouns) in unrestricted Spanish texts. We define a list of constraints ...

8 [Effects of machine translation on collaborative work](#)



[Naomi Yamashita, Toru Ishida](#)

November CSCW '06: Proceedings of the 2006 20th anniversary conference on 2006 Computer supported cooperative work

**Publisher:** ACM

Full text available: [Pdf](#) (445.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 124, Citation Count: 1

Even though multilingual communities that use machine translation to overcome language barriers are increasing, we still lack a complete understanding of how machine translation affects communication. In this study, eight pairs from three different language ...

**Keywords:** computer-mediated communication, distributed work, lexical entrainment, machine translation, multilingual groups, reference

9 [Can chinese web pages be classified with english data source?](#)



[Xiao Ling, Gui-Rong Xue, Wenyuan Dai, Yun Jiang, Qiang Yang, Yong Yu](#)

April WWW '08: Proceeding of the 17th international conference on World Wide Web 2008 Web

**Publisher:** ACM

Full text available: [Pdf](#) (1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 146, Citation Count: 0

As the World Wide Web in China grows rapidly, mining knowledge in Chinese Web pages becomes more and more important. Mining Web information usually relies on the machine learning techniques which require a large amount of labeled data to train credible ...

**Keywords:** cross-language classification, information bottleneck

10 [Quantitative analysis of the wikipedia community of users](#)



[Felipe Ortega, Jesus M. Gonzalez Barahona](#)

October WikiSym '07: Proceedings of the 2007 international symposium on 2007 Wikis

**Publisher:** ACM

Full text available: [Pdf](#) (600.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 146, Citation Count: 0

Many activities of editors in Wikipedia can be traced using its database dumps, which register detailed information about every single change to every article. Several researchers have used this information to gain knowledge about the production process ...


**Keywords:** WikiXRay, Wikipedia, methodology, quantitative analysis

11 [Introduction to the special issue on the web as corpus](#)

[Adam Kilgariff](#), [Gregory Grefenstette](#)

September Computational Linguistics , Volume 29 Issue 3  
2003


**Publisher:** MIT Press

Full text available:  [Pdf](#) (176.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 175, Citation Count: 14


The Web, teeming as it is with language data, of all manner of varieties and languages, in vast quantity and freely available, is a fabulous linguists' playground. This special issue of Computational Linguistics explores ways in which this dream is being ...

12 [Surfing the net for software engineering notes](#)

 [Mark Doernhoefer](#)

November SIGSOFT Software Engineering Notes , Volume 32 Issue 6  
2007


**Publisher:** ACM

Full text available:  [Pdf](#) (1.11 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 135, Citation Count: 0


The web has a lot of sites devoted to testing and test tools. If you are in charge of designing a test program for your development, a few hours surfing the sites listed here could get you off to a pretty good start. We'll visit some of the sites that ...

13 [Automatic prediction of misconceptions in multilingual computer-mediated communication](#)

 [Naomi Yamashita](#), [Toru Ishida](#)

January IUI '06: Proceedings of the 11th international conference on Intelligent user interfaces  
2006

**Publisher:** ACM

Full text available:  [Pdf](#) (3.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 55, Citation Count: 1

Multilingual communities using machine translation to overcome language barriers are showing up with increasing frequency. However, when a large number of translation errors get mixed into conversations, users have difficulty completely understanding ...


**Keywords:** computer-mediated communication, machine translation, misconception, multilingual groups

14 [Multilingual ICT education: language observatory as a monitoring instrument](#)

Mohd Zaidi Abd Rozan, Yoshiki Mikami, Ahmad Zaki Abu Bakar, Om Vikas

October 2005 SEARCC '05: Proceedings of the 2005 South East Asia Regional Computer Science Confederation (SEARCC) Conference - Volume 46 , Volume 46

**Publisher:** Australian Computer Society, Inc.

Full text available:  Pdf (379.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 105, Citation Count: 0

Ubiquitous learning challenges students to become adept at information retrieval, management and synthesis from a variety of sources. This sparks discovery activities that are student-centred and personalized. Personalized means that the learning is ...


Keywords: ICT education, character script, digital divide, language, language observatory project, multilingualism, standardization, ubiquitous learning

15 [Coedition to share text revision across languages and improve MT a posteriori](#)

Christian Boitet, Tsai Wang-Ju

September 2002 COLING-02 on Machine translation in Asia - Volume 16 , Volume 16

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (117.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 11, Citation Count: 0

Coedition of a natural language text and its representation in some interlingual form seems the best and simplest way to share text revision across languages. For various reasons, UNL graphs are the best candidates in this context. We are developing ...

Keywords: interlingual representation, multilingual communication, revision sharing, text / UNL coedition

16 [Cross language information retrieval: a research roadmap](#)



Fredric Gey, Noriko Kando, Carol Peters

September 2002 SIGIR Forum , Volume 36 Issue 2

**Publisher:** ACM

Full text available:  Pdf (66.00 KB) Additional Information: [full citation](#), [cited by](#)


**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 63, Citation Count: 3

17 [A computational approach to zero-pronouns in Spanish](#)

[Antonio Ferrández, Jesús Perai](#)

October 2000 ACL '00: Proceedings of the 38th Annual Meeting on Association for Computational Linguistics

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (139.33 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 13, Citation Count: 1


In this paper, a computational approach for resolving zero-pronouns in Spanish texts is proposed. Our approach has been evaluated with partial parsing of the text and the results obtained show that these pronouns can be resolved using similar techniques ...

18 [Several directions for minority languages computerization](#)

[Vincent Berment](#)

August 2002 Proceedings of the 19th international conference on Computational linguistics - Volume 2 , Volume 2

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (257.22 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 31, Citation Count: 0


Less than 1% of the languages spoken in the world are correctly "computerized": spell checkers, hyphenation, machine translation are still lacking for the others. In this paper, we present several directions that may help the computerization of minority ...

19 [Integrating information extraction and automatic hyperlinking](#)

[Stephan Busemann, Witold Drodzyski, Hans-Ulrich Krieger, Jakub Piskorski, Ulrich Schäfer, Hans Uszkoreit, Feiyu Xu](#)

July 2003 ACL '03: Proceedings of the 41st Annual Meeting on Association for Computational Linguistics - Volume 2 , Volume 2

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (232.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 11, Citation Count: 0

This paper presents a novel information system integrating advanced information extraction technology and automatic hyper-linking. Extracted entities are mapped into a domain ontology that relates concepts to a selection of hyperlinks. For information ...

20 [Processing.org: a networked context for learning computer programming](#)



[Casey Peas, Benjamin Fry](#)

July SIGGRAPH '05: SIGGRAPH 2005 Web program  
2005

**Publisher:** ACM

Full text available: [Pdf](#) (23.81 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 23, Citation Count: 0

Processing is a programming language and environment built for the electronic arts and design communities. It was created to teach fundamentals of computer programming within a visual context and to serve as a software sketchbook. The software exports ...

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